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OIPE

RAW SEQUENCE LISTING PATENT APPLICATION: US/09/825,293

DATE: 11/27/2001 TIME: 14:04:25

Input Set : A:\280108ma.app

Output Set: N:\CRF3\11212001\1825293.raw



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3 <110> APPLICANT: FARWICK, MIKE
         HUTHMACHER, KLAUS
 5
         PFEFFERLE, WALTER
 7 <120> TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES WHICH CODE FOR THE MIKE17 GENE
 9 <130> FILE REFERENCE: 21123/280108/MAS
11 <140> CURRENT APPLICATION NUMBER: 09/825,293
12 <141> CURRENT FILING DATE: 2001-04-04
14 <150> PRIOR APPLICATION NUMBER: DE 100 47 867.0
15 <151> PRIOR FILING DATE: 2000-09-27
17 <160> NUMBER OF SEQ ID NOS: 4
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1890
23 <212> TYPE: DNA
24 <213> ORGANISM: Corynebacterium glutamicum
26 <220> FEATURE:
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28 <222> LOCATION: (252)..(1673)
29 <223> OTHER INFORMATION: mikE17-Gen
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                Met Gly Lys Thr Tyr Val Gly Ser Arg Leu Arg Gln Leu
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44 cgc cgc gaa aga gac ctg agc cag gca tcc tta gca gca acc ctt ggc
                                                                      338
45 Arg Arg Glu Arg Asp Leu Ser Gln Ala Ser Leu Ala Ala Thr Leu Gly
48 tta tct gca agt tat gta aat cag att gag cac gac gta cgc ccg ctc
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49 Leu Ser Ala Ser Tyr Val Asn Gln Ile Glu His Asp Val Arg Pro Leu
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  30
                        35
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52 acc gta ccg gtg tta ttg cgc atc acc gag gcg ttc ggc gta gac gca
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53 Thr Val Pro Val Leu Leu Arg Ile Thr Glu Ala Phe Gly Val Asp Ala
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56 acg ttt ttc tcc cgc gac gat gac tcc cgc ctg ctc gcc gag gtc caa
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57 Thr Phe Phe Ser Arg Asp Asp Ser Arg Leu Leu Ala Glu Val Gln
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60 gac gtc atg ctg gac cgg gag atc aat cct gcg aac gtg gag ctg/caa
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61 Asp Val Met Leu Asp Arg Glu Ile Asn Pro Ala Asn Val Glu Leu Gln
64 gag ctt tcg gag atg gtg tac aac cac ccc caa cta gcg cgc gcg atg
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65 Glu Leu Ser Glu Met Val Tyr Asn His Pro Gln Leu Ala Arg Ala Met
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68 gtg gaa atg cac cag cgt tac cga aac gtg cgc gat aag ttc tcc atc
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69 Val Glu Met His Gln Arg Tyr Arg Asn Val Arg Asp Lys Phe Ser Ile
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76	qaq	qcc	qtq	agc	atq	ccq	cac	qaa	gag	qtc	cqc	gat	ttc	att	tac	qcc	722
				Ser													
78				145					150					155	•		
80	cqc	caa	aac	tac	ttc	gat	qcc	ctt	gac	cac	cac	acc	gaa	qcc	atc	qcc	770
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82	5		160	-1-				165	F	5	5		170				
	aca	caa	cta	ggc	t.aa	caσ	cca		σat	tac	cac	acc		σаа	σat.	t.ca	818
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86		175		V-1			180	-1-			9	185					
	atc		cac	cgc	cta	caa		gat	cac	σat	atc		atc	acc	tcc	tcc	866
				Arg													000
	190		9	*****	200	195	1100			1101	200		110		001	205	
		nan	αaa	tcc	aac		cta	cac	cac	ttc		CCC	παπ	aca	cat		914
				Ser													711
94	L 7 5	OLU	GIU	DCI	210	1111	шси	1110	1115	215	пор	110	GIU	1111	220	LCu	
	cta	aca	atc	cac		cac	ctc	aac	CCC		caa	cac	acc	ttc		ato	962
				His													702
98	LCu	1111	110	225	niu	nrg	ьси	ASII	230	Oly	OIII	nry	niu	235	ni 9	MCC	
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		caa	cto	. +++			αασ	· tat	. дао				cac	cac		tcc	1202
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118	_	QII.	L	305	_	7 41	017	- 1 1	310		1111	. niu	1110	315		JCI	
		cto	cac			220	cto	r cac				, +++	. a.c.c			g cgc	1250
																l Arg	
122		. LC	320		110	, ron	шес	325	_	110		, riic	330		· vu.	nra	
		· rac			aaa	220	ato			Cac	Caa	too			aac	ttc	1298
																Phe	1270
126		335	_	,u			340			9	J.1.	345			U -1		
				Cac	tac	aac			tac	CCC	cto			ata	+++	gaa	1346
																e Glu	1340
	350				-11	355		T 111	. 013		360				1 116	365	
			. acc					ata	cto				aca	Caa	ato	ccc	1394
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134		r 116		. ក១ដ	370	_	GII.	. val	. neu	375		FILE	. nia	0111	380		
194					5/0					3/3					200	,	

DATE: 11/27/2001 TIME: 14:04:25 RAW SEQUENCE LISTING PATENT APPLICATION: US/09/825,293

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Output Set: N:\CRF3\11212001\1825293.raw

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138				385					390					395			1400
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141	ніа	AIG	400	СТУ	GIU	vai	АБР	405	Met	Pile	нта	ire	410	ьеи	СТУ	Cys	
	maa	aca		Cac	acc	a a c	cac		ata	tác	tac	cac		tta	aac	ctc	1538
	-		-		_	_	_					_			Asn		1330
146	Giu	415	nry	1113	niu	пор	420	1111	7 U.L.	1 7 1	DCI	425	Gry	riic	กรแ	Deu	
	caσ		ctc	tcc	acc	acc		CCC	atc	σσσ	tcc		tac	саа	gtg	tac	1586
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	430			002		435				01	440	011	0,10		, 42	445	
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174 175 176 178 179 181 182 184 185 187 188 190 191 193 194	<pre><400 Met 1 Arg Ser Val Ser 65 Leu Glu</pre>	O> SI Gly Asp Tyr Leu 50 Arg Asp	EQUENT Lys Leu Val 35 Leu Asp Arg	NCE: Thr Ser 20 Asn Arg Asp Glu Tyr 100	Tyr 5 Gln Gln Ile Asp Ile 85 Asn	Val Ala Ile Thr Ser 70 Asn	Gly Ser Glu 55 Arg Pro	Ser Leu His 40 Ala Leu Ala Gln	Arg Ala 25 Asp Phe Leu Asn Leu 105	Leu 10 Ala Val Gly Ala Val 90 Ala	Arg Thr Arg Val Glu 75 Glu Arg	Leu Pro Asp 60 Val Leu Ala	Gly Leu 45 Ala Gln Gln Met	Leu 30 Thr Thr Asp Glu Val 110	15 Ser Val Phe Val Leu 95	Ala Pro Phe Met 80 Ser Met	
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217 His Ala Arg Leu Asn Pro Gly Gln Arg Ala Phe Arg Met Ala Thr Glu
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                                            235
220 Leu Gly Tyr Leu Glu Ala Asn Asp Leu Ile Glu Gly Ile Val Asp Asp
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223 Gly Ile Trp Ser Thr Pro Glu Ala Arg Thr Leu Ala Ile Arg Gly Val
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                                    265
226 Ala Ser Tyr Phe Ala Ala Ala Val Met Leu Pro Tyr Lys Ile Phe His
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                                280
229 Ser Glu Ala Glu Lys Ser Gly Tyr Asp Ile Glu Tyr Leu Gly Gln Leu
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232 Phe Gly Val Gly Tyr Glu Thr Thr Ala His Arg Leu Ser Thr Leu Gln
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235 Arg Pro Asn Leu Arg Gly Ile Pro Phe Thr Phe Val Arg Val Asp Arg
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238 Ala Gly Asn Met Ser Lys Arg Gln Ser Ala Thr Gly Phe His Phe Thr
                                    345
241 His Tyr Gly Gly Thr Cys Pro Leu Trp Asn Val Phe Glu Thr Phe Thr
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244 Asn Pro Gly Gln Val Leu Arg Gln Phe Ala Gln Met Pro Asp Gly Arg
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247 Asn Tyr Leu Trp Ile Ser Arg Thr Val Arg His His Glu Ala Arg Phe
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250 Gly Glu Val Asp Lys Met Phe Ala Ile Gly Leu Gly Cys Glu Ala Arg
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283 <220> FEATURE:

284 <223> OTHER INFORMATION: Primer mikE17-int2

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19

VERIFICATION SUMMARY

DATE: 11/27/2001 TIME: 14:04:26

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